

## **Abstract**

An ultrasonic trigger for a golf equipment performance monitor is described. In a preferred embodiment, the ultrasonic trigger comprises at least one emitter and receiver. The emitters periodically generate sound waves at an ultrasonic frequency. The sound waves are targeted towards an object or objects within a target area. The sound waves are reflected by the objects within the target area, and are detected by at least one receiver. The receiver may be connected to a computational device to determine the position and/or velocity of the objects within the field of view.